

Indianapolis Public Schools

Indianapolis, Indiana · School District · System Integrator: Davis Industries, Inc.



THE CLIENT

Indianapolis Public Schools (IPS) enrolls over 32,000 students across 71 facilities and offers more magnet and option programs than any other Indiana school system, specializing in services to meet the needs of all children.

THE CHALLENGE

IPS undertook a major capital-improvement program with a 15-year goal to improve comfort and ventilation across its school facilities, with every project reporting back to the facilities department over the IPS network. Davis Industries was the installing System Integrator on six of these projects.

THE SOLUTION

The fully integrated, open-protocol solution delivered by Davis Industries gave IPS a seamless, expandable network. Each project balanced ventilation and comfort with energy efficiency, and a measurement-and-verification system tracked the quantity of outdoor air, CO₂ levels, and energy usage as part of the building automation system.

Best-of-breed products are monitored and controlled on a single network. Each facility connects to the IPS LAN, and a central web server hosts the graphics, scheduling, trending, and alarming for every site — letting maintenance staff monitor and control their facilities from anywhere in the world.

HIGHLIGHTS

- Full-featured, open and interoperable building automation system
- Measurement & verification of outdoor air, CO₂ and energy

- One open system across six schools on the district network
- Central web server for graphics, scheduling, trending and alarming
- Monitor and control from any web browser, anywhere
- Advanced classroom ventilation control via IAQ sensing
- Multi-vendor control products
- A flexible, future-ready design

SYSTEMS & COMPONENTS

- Circon programmable HVAC controllers (AHUs, chillers, boilers)
- IP network routers
- Circon terminal-unit VAV and fan-coil controllers
- Web server hosting graphics and trending
- Honeywell, Trane and Carrier terminal-unit controllers
- Indoor-air-quality (IAQ) sensors

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